

11 YEARS  
OF UNIVERSITY  
RECOGNITION  
21 YEARS OF  
ACADEMIC  
EXCELLENCE



REVA  
UNIVERSITY  
Bengaluru, India

6<sup>th</sup> National Conference on

# Recent Trends in Mechanical and Mechatronics Engineering

## NCRTMME-2024



3<sup>rd</sup> May, 2024

*Organised by*

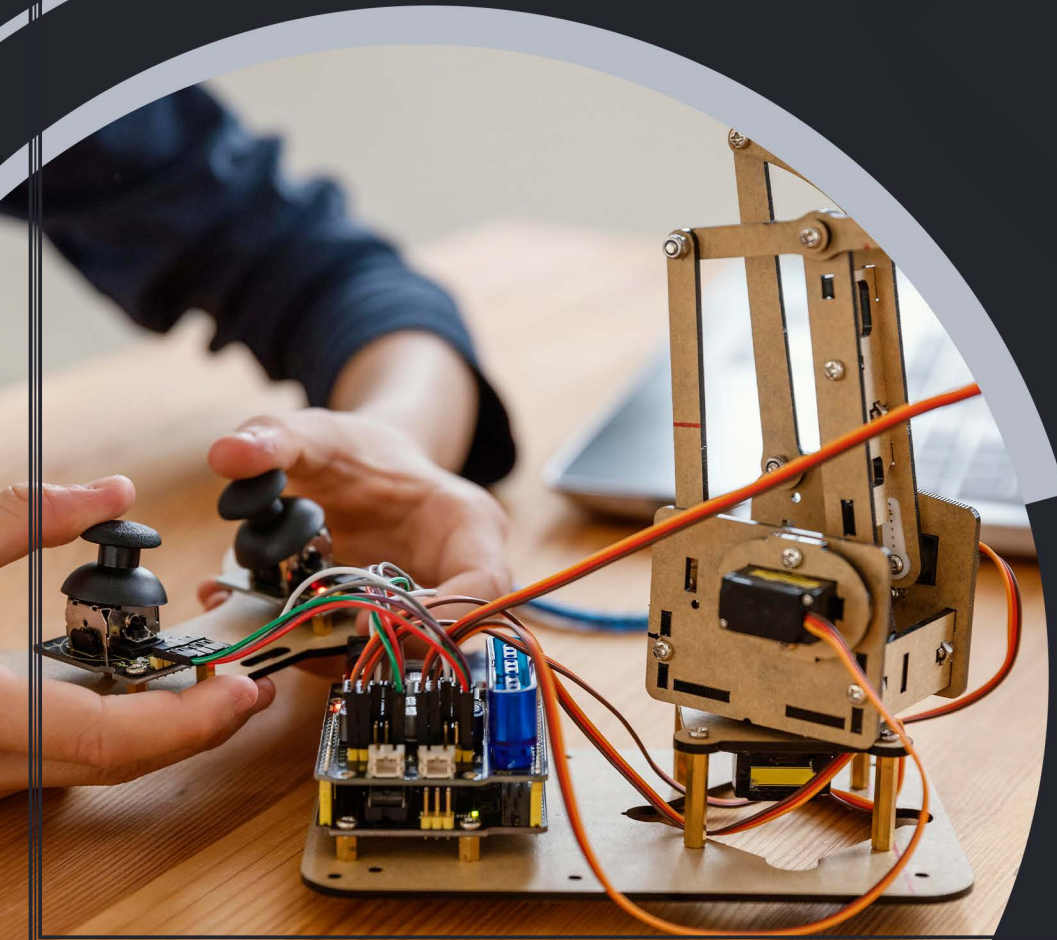
School of Mechanical Engineering, REVA University

*in association with*

 **AUTODESK**

[www.reva.edu.in](http://www.reva.edu.in)

RUKMINI EDUCATIONAL  
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## About the University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2012 in Bengaluru, the IT capital of India. The University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education).

REVA University prides itself in contributing to every student's holistic development. The University currently offers 38 full-time Under Graduate Programmes, 33 full-time Post Graduate programmes, 20 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

Teachers and instructors with illustrious academic experience are the architects of the meticulously designed curriculum and program modules offered at REVA University. They come with industrial exposure and experience that often translates through their teaching, thus bridging the gap between the industry and academia.

REVA University has an updated, ever-evolving collection of books, journals, and digital content in the library with the latest IT infrastructure that ensures students have information at their disposal. The lush green campus, state-of-the-art laboratories, custom-designed classrooms to enable seamless learning, and world-class indoor and outdoor sports facilities make REVA University the most preferred university among students and MNCs that visit the campus for placements.



## About the School

The School of Mechanical Engineering, REVA University is headed by dedicated and Experienced Professors and supported by well qualified faculty members. The School has state of the art classrooms and well equipped laboratories. The School offers B.Tech in Mechanical Engineering, Mechatronics Engineering, Aerospace Engineering & M.Tech in Machine Design Program's. It also has Research Program's leading to Doctoral degree. The curriculum of both graduate and post graduate degree programs have been designed to meet the present and future industry demands. It attempts to bridge the gap between academia and industry

## Who can participate?

UG and PG students from various universities and institutions, across the country are invited to present papers.

### Registration Fee

UG Students: Rs 200

PG Students: Rs.300

**Note: Fee only for external candidates only**

## Important Dates

**Last date abstract submission : 24/04/2024**

**Acceptance of abstract : 26/04/2024**

**Full length paper submission : 28/04/2024**

**Acceptance of full length paper: 29/04/2024**

**Registration starts from : 30/04/2024**

All abstract will be published in the conference proceedings. Selected papers after peer review and modified paper will be published in UGC Care Journal with additional publication charges.

Note : Submit abstract to: [ncrtmme@gmail.com](mailto:ncrtmme@gmail.com)

# Registration Form

National Conference on

## RECENT TRENDS IN MECHANICAL AND MECHATRONICS ENGINEERING

NAME: .....

USN/ SRN: .....

DEPT: .....

INSTITUTION: .....

ADDRESS: .....

MOBILE: .....

EMAIL ID: .....

SIGNATURE & SEAL OF PRINCIPAL/ HOD

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## Objectives of Conference

The conference will have plenary lectures followed by parallel sessions. Plenary lectures will be delivered by eminent personalities of repute to introduce the theme of the conference. This conference is organized to provide a platform to UG and PG students, to present their research findings of their respective domains of knowledge and share ideas and views.

## Conference Themes

### Material & Metallurgy

- Powder Metallurgy
- Rapid solidification
- Composite
- Nanomaterials
- Thermal coatings

### Manufacturing

- Automation
- Mechatronics
- Digital Manufacturing
- Rapid prototyping
- Industrial Engineering
- Robotics

### Design Engineering

- Vibrations
- Dynamics of machinery
- FEM/FEA analysis
- Tribology
- Fracture and Fatigue

### Thermal Engineering

- Computational Fluid Dynamics
- Heat Transfer
- Cryogenics
- Fluid flow

### Mechatronics Engineering

- Control system
- Robotics
- Automatic Tap Control
- Automatic Humidification System
- Automotive electronics
- Control of mechatronic devices

### Multi-disciplinary

- Environmental and sustainability
- Smart Agriculture
- Renewable energy and engineering
- Artificial Intelligence and Machine learning

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